



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JUL 20 2017

OFFICE OF  
SOLID WASTE AND  
EMERGENCY RESPONSE

OFFICE OF LAND AND  
EMERGENCY MANAGEMENT

Mr. Mark A. Correll, PE  
Deputy Assistant Secretary of the Air Force  
SAF/IEE  
1665 Air Force Pentagon  
Washington, DC 20330-1665

Dear Mr. Correll,

The purpose of this letter is to ensure close coordination between the U.S. Department of Defense (DOD) and the U.S. Environmental Protection Agency (EPA) in meeting key Government Performance and Results Act (GPRA) and Superfund performance measures. Specifically, the Environmental Indicators (EIs): Human Exposure (HE) and Groundwater Migration (GM). EPA has been reporting on EIs since the early 1990's. The GM and HE measures were added to the list of EIs in 2001 to show the incremental progress towards protection of human health and the environment through the elimination of unacceptable human exposure and prevention of groundwater migration.

The President's FY 2018 budget for the Federal Facility Superfund program prioritizes the highest risk sites and focuses on activities that bring human exposure and groundwater migration under control. EPA tracks EIs and other accomplishments at all Superfund sites, including federal facility National Priorities List (NPL) sites, to report to Congress on how effectively our program meets EPA's core mission on an annual basis. We appreciate DOD's continued efforts to work with EPA to ensure that we are accurately reflecting our progress towards the protection of human health and the environment. Attached is a status update on the Environmental Indicators at U.S. Air Force DOD NPL sites. We shared these lists in advance with your staff and appreciate their review and input. Specifically, we received comments on five EI statuses at four sites. We have provided informal responses to these comments and will follow up at our next quarterly meeting with the Air Force to discuss how each status was assigned.

## Human Exposure

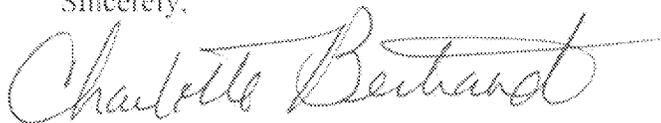
EPA considers a site to have Human Exposure Under Control (HEUC) when the site is fully characterized and any complete exposure pathways are controlled with engineering or institutional controls.

## Groundwater Migration

EPA considers a site to have Groundwater Migration Under Control (GMUC) when all site plumes are fully characterized, stable, and do not discharge contamination into surface water bodies at concentrations that would cause unacceptable impact on surface water, sediments, or ecosystems.

These measures help determine progress in achieving protection of human health and the environment at NPL sites, and also inform Congress on such progress in accordance with the GPRA. Achievement of these measures requires successful coordination between EPA and DOD. I ask that your organization work with our regional offices and the Federal Facilities Restoration and Reuse Office (FFRRO) to achieve GMUC and HEUC at all US DOD NPL Air Force sites in a timely manner, and that we work together to communicate the achievement of these measures as a joint success. For questions, please feel free to contact me or Emerald Laija of my staff at [laija.emerald@epa.gov](mailto:laija.emerald@epa.gov) or (202) 564-2724.

Sincerely,



Charlotte Bertrand, Director  
Federal Facilities Restoration and Reuse Office

cc: Greg Gervais, EPA  
FFLC Program Managers, EPA  
Superfund Division Directors  
Maureen Sullivan, DOD OSD

Attachment

Environmental Indicator Status Review  
U.S. Air Force NPL Sites

Groundwater Migration

Region	Site Name	EPA ID	GM Status	Reason <sup>1</sup>
1	PLEASE AIR FORCE BASE	NH7570024847	GMID	Incomplete Groundwater Investigation -- New Contaminant
2	MCCUIRE AIR FORCE BASE #1	NJ0570024018	GMID	Incomplete Groundwater
3	DOVER AIR FORCE BASE	DE8570024010	GMID	Incomplete Groundwater Investigation -- New Contaminant
3	FORT EUSTIS (LANGLEY)	VA6210020321	GMID	Incomplete Groundwater Investigation
4	TYNDALL AIR FORCE BASE	FL1570024124	GMID	Incomplete Groundwater Investigation
8	ELLSWORTH AIR FORCE BASE	SD2571924644	GMID	Incomplete Groundwater Investigation -- New Contaminants
9	WILLIAMS AIR FORCE BASE	AZ7570028582	GMNC	Documented Groundwater Migration
10	EIELSON AIR FORCE BASE	AK1570028646	GMID	Incomplete Groundwater Investigation
10	FAIRCHILD AIR FORCE BASE (4 WASTE AREAS)	WA9571924647	GMID	Documented Groundwater Migration
10	ELEMENDORF AIR FORCE BASE	AK8570028649	GMID	Incomplete Groundwater Investigation

<sup>1</sup> EPA considers a site to have Groundwater Migration Under Control (GMUC) when all site plumes are fully characterized, stable, and do not discharge contaminants into surface water bodies at concentrations that would cause unacceptable impacts on surface water sediments, or ecosystem.

## Human Exposure

Region	Site Name	EPA ID	HE Status	Reason <sup>2</sup>
02	MCGUIRE AIR FORCE BASE #1	NI0570024018	HEID	Incomplete Investigation
03	DOVER AIR FORCE BASE	DE8570024010	HEID	Incomplete Investigation – New Contaminant
03	FORT EUSTIS (LANGLEY)	VA6210020321	HEID	Incomplete Investigation
04	TYNDALL AIR FORCE BASE	FL1570024124	HENC	Incomplete Investigation
08	ELLSWORTH AIR FORCE BASE	SD2571924644	HEID	Incomplete Investigation – Vapor Intrusion and New Contaminant
08	HILL AIR FORCE BASE	UT0571724350	HENC	Complete Exposure Pathway – Vapor Intrusion
09	EDWARDS AIR FORCE BASE	CA1570024504	HEID	Incomplete Investigation – Vapor Intrusion
10	ELMENDORF AIR FORCE BASE	AK8570028649	HEID	Incomplete Investigation – Vapor Intrusion

<sup>2</sup> EPA considers a site to have Human Exposure Under Control when the site is fully characterized and any complete exposure pathways are controlled with engineering or institutional controls.